

Santa Fe



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TECHNICAL ASSISTANCE TEAM FOR EMERGENCY RESPONSE REMOVAL AND PREVENTION
EPA CONTRACT 68-01-6669

TO: Bob Bowden

26 April 1983

FROM: Technical Assistance Team

TAT-05-F-00130

VIA: Jack Thorsen *[Signature]*

RE: Possible Emergency Action at Chicago/Santa Fe Property
TDD #5-8304-16

On 21 April 1983 TAT was tasked to conduct a preliminary assessment for a possible emergency action clean up of 57 drums near Kedzie Avenue and 34th St., Chicago.

TAT member Kevin Pierard met with Illinois EPA inspector Lynn Crevillo on 21 April to discuss the situation and review analyses. The IEPA received a complaint about the site on 3 March 1983. Analysis of four drums showed three with very low pH and one (fibre drum containing white powder) to have a very high pH. Samples from the three low pH drums were also analyzed for metals using EP Toxicity procedures. Metals, overall, were very high. No cyanide analysis was completed by the IEPA. The Illinois State Police Department of Criminal Investigation has (according to IEPA) accumulated a great deal of evidence and are confident they will find a responsible party.

On 22 April 1983 TAT members Kevin Pierard and Doug Ballotti met with Metropolitan Sanitary District (MSD) personnel at approximately 1330. MSD was providing site security during the day. At 1345 Lynn Crevillo (IEPA) arrived. It appeared that the drums were dumped at the top of a very steep embankment and allowed to roll down the embankment close to the Santa Fe railroad tracks. The IEPA estimates the drums have been at this location for well over a year. The drums were in very poor condition and most were leaking.

TAT entered the site in level "C" protection and tested approximately 10 drums that contained liquid using pH paper. All drums contained low pH material. A sample of the white powder, that IEPA had found to have a pH of 12.1 was mixed with acidic liquid from an adjacent drum in a sample jar. While mixing the two materials, the reaction was monitored with cyanide draeger tubes. The draeger tubes reaction was negative. A sample of this powder was obtained for cyanide analysis by the USEPA.

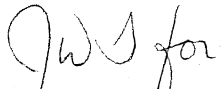
Roy F. Weston, Inc.

SPILL PREVENTION & EMERGENCY RESPONSE DIVISION

In Association with Jacobs Engineering Group Inc., Tetra Tech, Inc., and ICF Incorporated

The area where the drums were dumped is heavily used by local residents for recreational activities. Because of frequent public use and the deteriorated condition of the drums there is a great potential for public contact with strong acids and bases.

IEPA analysis on the white powder for cyanide should be complete during the week of 25 April 1983. Pending results of the cyanide analyses, it should be noted that it is possible that cyanide bearing wastes could contact the acids on site.

A handwritten signature in cursive script, appearing to read 'KWP for', is written above the printed name.

Kevin Pierard

Doug Ballotti

KP/DB:js

1. COST CENTER: <div style="text-align: center; border-bottom: 1px solid black; width: 50px; margin: 0 auto;">5</div>	ACKNOWLEDGEMENT OF COMPLETION FOR TDD TAT EMERGENCY RESPONSE, REMOVAL AND PREVENTION ROY F. WESTON, INC.	2. NO.: 5-8304-16 <input type="checkbox"/> COMPLETE <input type="checkbox"/> INTERIM
3. RESPONSE: Submitted herewith is the completed report on TAT's assessment of the drums dumped at the Santa Fe property in Chicago. TAT determined that there is a high possibility of public exposure to highly acidic and basic solutions. In addition TAT notes that (pending analytical results) cyanide could be liberated if drummed materials are allowed to mix. <div style="border-bottom: 1px solid black; height: 15px; margin-top: 5px;"></div> <div style="border-bottom: 1px solid black; height: 15px; margin-top: 5px;"></div> <div style="border-bottom: 1px solid black; height: 15px; margin-top: 5px;"></div> <div style="border-bottom: 1px solid black; height: 15px; margin-top: 5px;"></div> <div style="border-bottom: 1px solid black; height: 15px; margin-top: 5px;"></div> <div style="border-bottom: 1px solid black; height: 15px; margin-top: 5px;"></div> <div style="border-bottom: 1px solid black; height: 15px; margin-top: 5px;"></div>		<input type="checkbox"/> FORMAL REPORT <input type="checkbox"/> LETTER REPORT <input type="checkbox"/> FORMAL BRIEFING <input type="checkbox"/> OTHER (SPECIFY)
3A. ACTUAL TOTAL COST: <div style="border-bottom: 1px solid black; width: 100%;"></div>	3B. ACTUAL TOTAL HOURS: <div style="border-bottom: 1px solid black; width: 100%;"></div>	
4. DPO ACTION: <input type="checkbox"/> ACCEPTED <input type="checkbox"/> ACCEPTED WITH EXCEPTIONS <input type="checkbox"/> REJECTED		
5. COMMENTS: <div style="border-bottom: 1px solid black; height: 15px; margin-top: 5px;"></div> <div style="border-bottom: 1px solid black; height: 15px; margin-top: 5px;"></div> <div style="border-bottom: 1px solid black; height: 15px; margin-top: 5px;"></div> <div style="border-bottom: 1px solid black; height: 15px; margin-top: 5px;"></div>		
6. I CERTIFY THAT THE ATTACHED MATERIALS MEET AND COMPLY WITH ALL REQUIREMENTS OF THE SUBJECT TDD. <div style="border-bottom: 1px solid black; width: 100%; margin-top: 20px;"></div> <div style="text-align: center; margin-top: 5px;">(TATL SIGNATURE)</div>		7. DATE: <div style="border-bottom: 1px solid black; width: 100%; margin-top: 20px;"></div>
8. I ACKNOWLEDGE THAT I HAVE BEEN PROVIDED WITH THE MATERIALS AND SERVICES SPECIFIED IN THE SUBJECT TDD WITHIN ITS ORIGINAL OR REVISED TIME FRAMES. <div style="border-bottom: 1px solid black; width: 100%; margin-top: 20px;"></div> <div style="text-align: center; margin-top: 5px;">(AUTHORIZING DPO SIGNATURE)</div>		9. DATE: <div style="border-bottom: 1px solid black; width: 100%; margin-top: 20px;"></div>

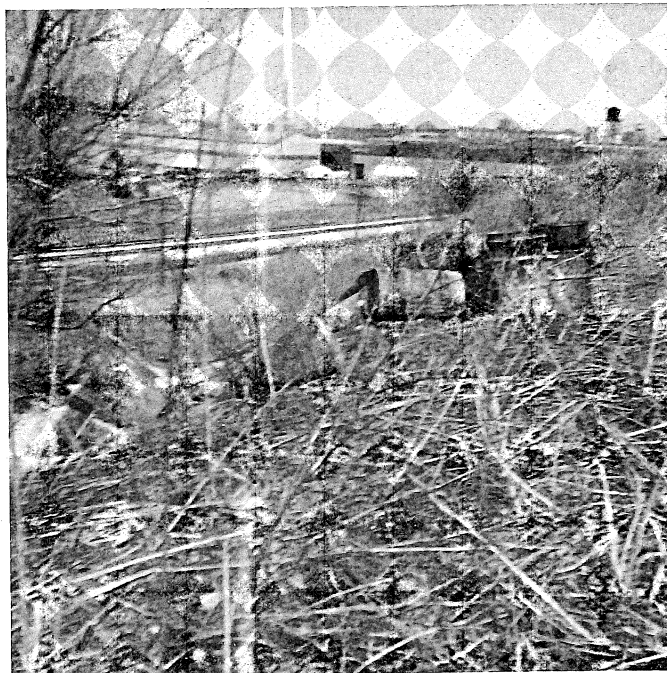
102
SB

NUMBER: _____

OIL/HAZARDOUS SUBSTANCES DISCHARGE REPORT

1. DATE 6-2-82 TIME 2¹⁵ PM SBY OFFICER BERNOTAS VIA NRC
2. PERSON REPORTING/TITLE DAVE CLARK TELEPHONE: (913) 735-0041
ORGANIZATION SANTE FE RR
ADDRESS PO BOX 1738 TOPEKA, KA 66628
3. LOCATION (NEAREST CITY, STATE, SPECIFIC LOCATION) KINGSVILLE TX TO CHICAGO, IL
- SECTION _____ TOWN _____ RANGE _____ COUNTY _____
4. TIME/DATE OF INCIDENT 5-31-82 0200
5. BODY OF WATER AFFECTED NONE
6. SOURCE (FACILITY, EQUIPMENT) TANK CAR
7. CAUSE/OPERATION IN PROGRESS DEFECTIVE VALVE PACKING
8. MATERIAL METHYL ETHYL KETONE QUANTITY DISCHARGE 87 GAL
10. QUANTITY IN WATER/SLICK SIZE AND COLOR NONE
11. ACTIONS TAKEN (SECURING/CONTAINMENT/REMOVAL) VALVE SHUT - NOTIFIED
12. OTHER AGENCIES NOTIFIED BY CHICAGO FIRE DEPT, SHIPPER
13. NOTES CHEMTREC, BUREAU OF EXPLOSIVE.
14. ACTIONS TAKEN BY SBY OFFICER: NONE REQUIRE - SB

Santa Fe



TDD# 5-8304-16
Chicago/Santa Fe

4/22/83
3:00 pm

Picture shows drums at top of embankment
looking to the Northeast



TDD # 5-8304-16
Chicago/ Santa Fe

4/22/83
3:02pm

Picture shows drums and spillage at base of
embankment. Picture taken looking North



TDD# 5-8304-16
Chicago/Santa Fe

4/22/83
3:04 pm

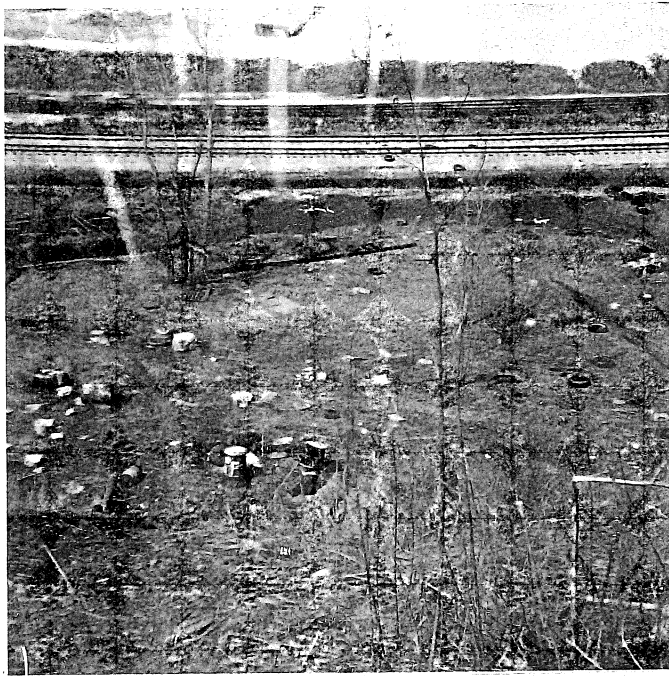
Picture shows drums on embankment and plating vat at the base. Picture taken looking Northeast



TDD# 5-8304-16
Chicago/ Santa Fe

4/22/83
3:10pm

Picture shows drums and spillage on embankment looking Northeast.



TDD# 5-8304-16
Chicago/ Sante Fe

4/22/83
3:15pm

Drums at base of embankment looking
North from SE end of site.



TDD# 5-8304-16
Chicago/ Sante Fe

4/22/83
3:20pm

Drums at base of embankment looking
Northeast from Southeast end of site.